Contaminants And the Pelagic Organism Decline

Rich Breuer

California Department of Water Resources
Chief, Environmental Water Quality and
Estuarine Studies

2005 Studies

- Pelagic Fish Tissue Analysis (Fish Health)
- Aquatic Toxicity Testing
- Pyrethroids (Insecticide) White Paper
- Aquatic Herbicide Use and Toxicity White Paper
- Microcystis (Algae) Toxicity Testing and White Paper

2005 Results

Fish Tissue Analyses

Showed Liver Damage

Toxicity Tests

Reduced Growth and Survival for Indicator Crustacean Not for Water Flea, Smelt, or Bass

- Pyrethroids Class of Insecticides- Use Growing
- Aquatic Herbicides-

Not Suspected

Concern over Additives-such as Surfactants

Microcystis –Studies in Progress

